shelden
HEALTHCARE

Dual Cushion

User Manual

Thank you for purchasing this Shelden Healthcare pressure relieving cushion system.

PLEASE READ THIS USER MANUAL CAREFULLY BEFORE SETTING UP AND USING THE DEVICE.

Pay special attention to the warnings and other safety information. Use genuine Shelden Healthcare components to maintain the products optimal performance. If you do not fully understand all the instructions, safety precautions, and warnings, do not use this device. In case you have questions, please contact Shelden Healthcare on 01788 833 989.

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1.0 Indications

Attention! Please read enclosed document thoroughly

Double insulated (Class II)

Declaration of Conformity to Medical Device Directive

International Electronics Approval

IPX0

Do not immerse power unit in liquid or spray liquids directly on power unit

Type B Equipment

Indications

This air alternating mattress system is designed for patients who endure pressure ulcer and potential patients who wish to reduce the likelihood of pressure ulcer. This device is intended to treat and prevent pressure ulcers by facilitating blood circulation and decreasing pressure of each tissue's contact area. Always consult a physician or health professional before using this mattress system. This anti-decubitus mattress system is mainly for high risk patient group.

Contraindications

Certain patient conditions are not suitable for using this type of device such as fracture of instable vertebrae and illness of instable vertebrae. Always consult a physician or health professional before using this device. The use of this system does not replace the regular repositioning, monitoring, and nursing of the patient.

2.0 Safety Precautions

(1) To ensure proper operation, please inspect and verify all parts are setup properly and anchor securely. Do not place anything on top of the power unit. Make sure power cord is underneath bed frame and free from hazard.

(2) Avoid using this device near open flames, lighters, or cigarettes. Flammability hazard exists. This device draws air from the surrounding. Thus, cigarette smoking may damage internal component.

(3) This system should disinfect thoroughly between patients to avoid cross contamination.

(4) Verify patient weight does not excess the sitting object and this mobile cushion system's weight capacity.

3.0 Warnings

(1) DO NOT disassemble the power unit if you are not a qualified technician. Please contact your local distributor for all service.

(2) This product is NOT AP/ APG protected.

(3) Operating, transportation, and storage conditions:
Temperature: 5°C - 45°C
Humidity: 15% - 60%

CAUTION: ENSURE THAT THERE ARE NO PROTRUDING OBJECTS, SHARP POINTS OR BED SPRINGS UNDER THE MATTRESS AS THESE COULD PUNCTURE THE AIR CELLS.

4.0 System Package

Power Unit Package (Standard)

* Power unit x 1

* Power cord x 1

* Operation manual x 1

* Standard power unit package is only available when purchasing a complete mobile air alternating pressure cushion system.

Mobile Cushion Package

* Mobile cushion with coverlet x 1 * Foam base with coverlet x 1

5.0 Features

The following features are for the standard power unit-SR303. For other compatible Carilex power units (except power unit- SR371), please refer to the features section in each power unit's operation manual.

Control Panel Features

See Figure 5a on page 5.

power (on/off)

Once the power rocker switch is turned on, the green switch will light to indicate the system is on.

Comfort Knob

Simply turn the knob from 30 kg to 150 kg to adjust the cushion internal pressure for patient. The scale is only an approximation. Please adjust the pressure setting if the cushion is too soft or firm to suit each patient's comfort.

Caregivers should always perform a hand check by placing their hands underneath patient's pelvis area to check if there is sufficient air support to ensure the patient is not bottoming out.

Control Panel Features

See Figure 5b on page 5.

Power Receptacle (1)

Make sure power cord is inserted securely into the wall outlet.

Couplers (2)

Quick release couplers are used to secure cushion's air hoses to power unit.

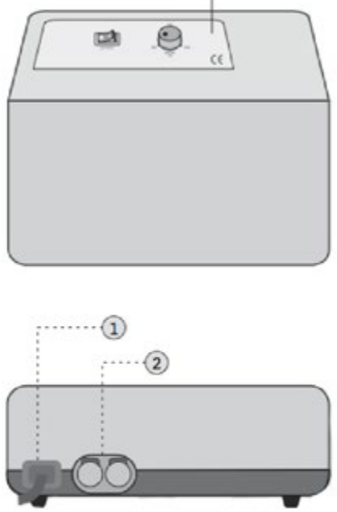
Control Panel Features

See Figure 5c on page 5.

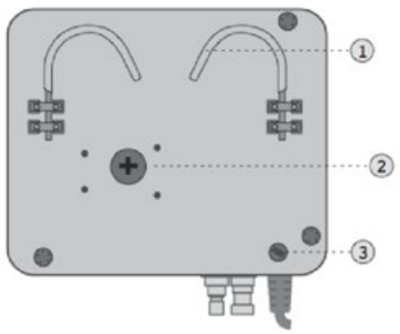
Hanging Hooks (1)

Hanging hooks are designed to hang the power unit on almost any foot board.

Control Panel Features Figure 5a



Side Features Figure 5b



Rear Panel Features Figure 5c

Air Filter and Filter Cap (2)

Carilex recommends that the filter to be clean or replace once a month to ensure optimal performance of the power unit. Fuse (3)

Fuse holder can be opened for maintenance.

6.0 Cushion and Power Unit Installations

The following power unit installation is for the standard power unit-SR303. For other compatible Carilex power units (except power unit-SR371), please refer to the installation section in each power unit's operation manual.

(1) Place Carilex mobile cushion with foam base on a sitting platform (ex. wheelchair) with the logo facing the front. If this system is used with a wheelchair, please verify all wheelchair functions are working properly without interference before proceeding to the next step.

(2) Secure the power unit onto the sitting platform by using hanging hooks or other means.

(3) Firmly connect the cushion's air hose couplings to the quick release couplers on the power unit's air outlet.

(4) Plug the power unit into a wall outlet and turn on the power rocker switch on the control panel to inflate the mobile cushion system .

(5) Turn the comfort knob on the power unit's control panel to maximum setting (150 kg) to shorten the initial inflation time if needed.

(6) Wait for approx. 10 minutes for the cushion to inflate fully.

7.0 Program Settings

The following program settings are for the standard power unit-SR303. For other compatible Carilex power units (except power unit-SR371), please refer to the program settings section in each power unit's operation manual.

(1) Position the patient on the cushion. Adjust the cushion's internal pressure according to the patient weight by using the comfort knob on the control panel of the power unit. If the patient feels the cushion is too soft or firm, increases or decreases the cushion's internal pressure by fine turning the comfort knob one increment at a time and wait for the system to stabilize before making another change until a comfortable state is achieved.

(2) Caregivers should always perform a hand check by placing their hands underneath patient's pelvis area to check if there is sufficient air support to ensure the patient is not bottoming out.

8.0 Patient Transfer and Transport

The following patient transfer instruction is for the standard power unit-SR303. For other compatible Carilex power units (except power unit-SR371), please refer to the patient transfer and transport section in each power unit's operation manual.

Transfer

It is recommended to have the cushion system at maximum weight setting during transfer. Make sure the cushion is secured before proceeding.

9.0 Cleaning Instruction

Mobile air alternating cushion and power unit must be cleaned thoroughly between patients to avoid cross contamination. The following is a suggested guideline, but local infection control policies should be followed as well.

Regular cleaning can be performed with disinfectant and water followed by drying with a clean dry cloth. Use only mild detergents and water to clean the coverlet and the cushion. Any appropriate NON- PHENOLIC cleaning agent may be used for heavy soiling with urine, blood or other body fluids. Please ensure cushion and coverlet are completely dry before letting the patient laying on the surface again.

Machine wash warm water at maximum 40°C.

Do not use electric or tumble dryers.

Do not iron.

WARNING! Always unplug the power unit before cleaning. Routine cleaning of power unit can be done by wiping down with damp cloth using disinfectant and water or mild neutral detergent. Never spray liquids directly on the unit itself.

11.0 Routine Maintenance

Remove air filter from the real panel of the power unit by opening up the filter cap to clean or replace the air filter. Inspect the filter for dirt or dust and clean it with mild soap and water. Reinsert the dried air filter after cleaning and ensure the cap is secure. Replace with genuine air filter once a year is recommended and compressor every two year is strongly suggested to prolong system lifetime.

The mobile cushion system must be disinfected and dried before storage.

12.0 Troubleshooting

Problem	Inspection Procedure	Possible Solutions
1. Power unit does not function.	Check if power cord is firmly plugged into wall outlet.	Secure power cord into wall outlet.
	Check if power switch is in ON position.	Turn power switch to ON position.
	Check if power surge shuts down power unit.	A power surge may overload the circuitry temporarily. Turn the unit off and check the fuse for damage. Turn the unit ON again with normal procedure.
	Make sure there is no power failure.	
	Power unit does not respond to possible solutions.	Please contact Shelden Healthcare on 01788 833 989.
2. Power unit is working, but mattress replacement is not inflating and/or Bottoming out is occurring and/or Patient leaves a deep indentation at the contact area which does not return back to its original shape.	Verify that CPR latch is properly inserted.	Insert CPR latch securely.
	Check if mattress' air hose couplers are properly connected to power unit's quick release couplers.	Secure air hose couplers firmly into place.
	Verify that patient weight setting is correct.	Increase or decrease weight setting until appropriate pressure is reached.
	Inspect air filter for dust or dirt.	Clean or replace air filter.
	Lift mattress coverlet up to check if air cells are connected correctly.	Make sure all air cells are properly linked to air supply.
	Lift mattress coverlet up to check if air tubes are kinked or obstructed.	Check and adjust air tubes' positions.
	Check if air cells are cut or cracked.	Please contact Shelden Healthcare on 01788 833 989.
3. Patient is not getting pressure relief due to system failure (reddening of skin).		Contact your physician and/or nursing service immediately.

*Air tube is referring to the mean of directing air flow from the power unit to each individual air cell.

13.0 Returns for Service

This device is not self-serviceable. Service and repair must be performed by an authorized technician or representative. All returned device must be cleaned and disinfected prior to shipping. Unsanitary or soiled systems will be returned without servicing.

14.0 Warranty

Shelden Healthcare warrants the product to be free from defects from the date of purchase. Please inspect all accessories when you purchase our product. If there is any damage or missing accessories when you receive the product, please ask for a replacement from your local distributor within three days of purchase.

The warranty periods for Shelden Healthcare products are according to the regulations in your country, the minimum period is 1 year from date of purchase for the power unit and 1 year for the mattress and the coverlet. The warranty coverage of any Shelden Healthcare product is contingent up on its purchase from an authorized dealer. Warranty for any product in the Shelden Healthcare product line will be honored by the official distributor in your country.

Warranty coverage will not be extended to any product on which the production lot number has been removed or defaced, on which repair has been attempted by any person or agency not authorized by Shelden Healthcare or if in the sole opinion of Shelden Healthcare that the system shows evidence of tampering, abnormal or unreasonable abuse, negligence, accident or operation withoutregard for the restrictions specified in the instructions which accompany the system. This warranty does not cover normal maintenance such as cleaning, adjustment, lubrication, and updating of equipment or parts. If the damage is result from improper operation, a reasonable service fee and part cost will be charged.

The warranty stated above is the only warranty made and is in lieu of all other warranties whether expressed or implied, including any warranty of merchantability or fitness for a particular reason. Shelden Healthcare will not be liable for consequential or incidental damages or any kind.

15.0 Product Specifications

The following power unit related specifications are for the standard power unit-SR303. For other compatible Shelden Healthcare power units (except power unit- SR371), please refer to product specifications section in each power unit's operation manual.

Cushion Dimension (MSR213)
45x45x9cm

Number of Air Cells
10 air cells

Power Control Unit Dimension (SR303)
26x22x9cm

Material
Power Unit - ABS fire retardant UL
Mobile Cushion Cell - 100% nylon with TPU lamination
Coverlet - 100% nylon with PU backing Foam base - PU foam

Power Input
AC100-120V/50-60Hz AC220 - 240V/ 50 Hz

Power Consumption
Normal Operation: Max 6W

Power Control Unit Weight
2.5 kg

Power Cord
H05VVH2-F2x0.75mm2

Fuse Rating
T1A/ 250V

Operating & Transportation & Storage Conditions
Temperature: 5°C - 45°C
Humidity: 15% - 60%

Electrical Classification
Class II Type BF, double insulated with or without functional ground wire.

IPX0, do not immerse power unit in any liquid or spray any liquids directly on the power unit. This system is not AP/ APG protected. Continuous operation.

Agency Approval
EN60601-1, EN60601-1-2, EN61000-3-2, EN61000-3-3, UL2601-1

Electromagnetic Compatibility
EN60601-1-2:1993

Maximum Weight Capacity
100 kg

Shelden Healthcare reserves the right to change prices or design parameters and specifications without incurring any liability in connection with such modifications.

Shelden Healthcare Ltd

Unit 1A | The Wharf | Stretton Under Fosse |

Rugby | Warwickshire | CV23 0PR

Telephone: 01788 833 989

Fax: 0845 127 50 50

Email: sales@shelden-healthcare.co.uk

Web: www.pressurerelieving.co.uk